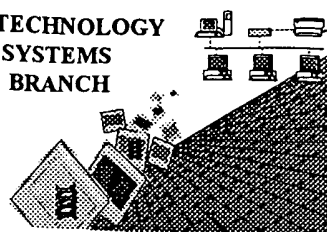


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/918,624A  
Source: OIPF  
Date Processed by STIC: 1/26/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/918,624A

DATE: 01/26/2002

TIME: 12:53:20

Input Set : D:\Pa0033.txt

Output Set: N:\CRF3\01252002\I918624A.raw

Does Not Comply  
Corrected Diskette Needed

1 <110> APPLICANT: Schebye, Xiao Min  
 2 Sornasse, Thierry  
 4 <120> TITLE OF INVENTION: CDNAS EXPRESSED IN ADIPOCYTE DIFFERENTIATION  
 6 <130> FILE REFERENCE: PA-0033 US  
 8 <140> CURRENT APPLICATION NUMBER: US/09/918,624A  
 9 <141> CURRENT FILING DATE: 2002-01-04  
 11 <160> NUMBER OF SEQ ID NOS: 71  
 12 <170> SOFTWARE: PERL Program  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 5041  
 16 <212> TYPE: DNA  
 17 <213> ORGANISM: Homo sapiens  
 19 <300> PUBLICATION INFORMATION:  
 20 <308> DATABASE ACCESSION NO: Genbank ID No: g1572720

W--&gt; 22 &lt;300&gt; PUBLICATION INFORMATION: P

23 gcggccgcga ctattcggtg cctgaaaaca acgatggcat ggaaaacact tcccatttac 60  
 24 ctgttggtgc tgctgtctgt tttcgtgatt cagcaagttt catctcaaga tttatcaagc 120  
 25 tgtgcaggga gatgtgggga aggttattct agagatgcca cctgcaactg tgattataac 180  
 26 tgtcaacact acatggagtg ctgccctgat ttcaagagag tctgcactgc ggagctttcc 240  
 27 tgtaaaaggcc gctgctttga gtccttcgag agagggaggg agtgtgactg cgacgcccaa 300  
 28 tgtaagaagt atgacaagtg ctgtcccgat tatgagagtt tctgtgcaga agtgcataat 360  
 29 cccacatcac caccatcttc aaagaaagca cctccacctt caggagcatt tcaaaccatc 420  
 30 aaatcaacaa ccaaacgttc acccaaacca ccaaacaaga agaagactaa gaaagttata 480  
 31 gaatcagagg aaataacaga agaacattct gtttctgaaa atcaagagtc ctctctctcc 540  
 32 tctctctctt cctctctctt ttcaacaatt tggaaaatca agtcttccaa aaattcagct 600  
 33 gctaataagag aattacagaa gaaactcaaa gtaaaagata acaagaagaa cagaactaaa 660  
 34 aagaaaccta ccccaaaccc accagttgta gatgaagctg gaagtggatt ggacaatggt 720  
 35 gacttcaagg tcacaactcc tgacacgtct accaccaac acaataaagt cagcacatct 780  
 36 cccaagatca caacagcaaa accaataaat cccagaccca gtcttcacc taattctgat 840  
 37 acatctaaag agacgtcttt gacagtgaat aaagagacaa cagttgaaac taaagaaact 900  
 38 actacaacaa ataaacagac ttcaactgat ggaaaagaga agactacttc cgctaaagag 960  
 39 acacaaagta tagagaaaac atctgctaaa gatttagcac ccacatctaa agtgctggct 1020  
 40 aaacctacac ccaaaagctg aactacaacc aaaggccctg ctctcaccac tcccaaggag 1080  
 41 cccacgccca ccaactccca ggagcctgca tctaccacac ccaaagagcc cacacctacc 1140  
 42 accatcaagt ctgcaccac ccccccaag gagcctgcac ccaccaccac caagtctgca 1200  
 43 cccaccactc ccaaggagcc tgcaccacc accaccaagg agcctgcacc caccactccc 1260  
 44 aaggagcctg caccaccac caccaaggag cctgcaccca ccaccacca gtctgcaccc 1320  
 45 accactccca aggagcctgc acccaaccac cccaagaagc ctgccccaac taccaccaag 1380  
 46 gagcctgcac ccaccactcc caaggagcct acaccacca ctcccaagga gcctgcaccc 1440  
 47 accaccaagg agcctgcacc caccactccc aaagagcctg caccactgc cccaagaag 1500  
 48 cctgccccaa ctacccccaa ggagcctgca cccaccactc ccaaggagcc tgcaccacc 1560  
 49 accaccaagg agccttcacc caccactccc aaggagcctg caccaccac caccaagtct 1620  
 50 gcaaccacca ctaccaagga gcctgcaccc accactacca agtctgcacc caccactccc 1680

(global error)

This indicates an error

regarding  
numeric identifier  
C3097.C3097 and  
response are  
mandatorywhereas  
C3087 has  
a response.

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/918,624A

DATE: 01/26/2002

TIME: 12:53:20

Input Set : D:\Pa0033.txt

Output Set: N:\CRF3\01252002\I918624A.raw

```

51 aaggagcctt caccaccac caccaaggag cctgcaccca ccaactcccaa ggagcctgca 1740
52 cccaccaccc ccaagaagcc tgccccaact acccccaagg agcctgcacc caccactccc 1800
53 aaggaacctg caccaccac caccaagaag cctgcaccca ccgctcccaa agagcctgcc 1860
54 ccaactaccc ccaaggagac tgcacccacc acccccaaga agctcacgcc caccaccccc 1920
55 gagaagctcg caccaccac ccctgagaag ccgcgaccca ccaccctga ggagctcgca 1980
56 cccaccaccc ctgaggagcc cacaccacc acccctgagg agcctgctcc caccactccc 2040
57 aaggcagcgg ctcccaacac ccctaaggag cctgctccaa ctaccctaa ggagcctgct 2100
58 ccaactaccc ctaaggagcc tgcctcaact acccctaagg agactgctcc aactaccctt 2160
59 aaagggactg ctccaactac cctcaaggaa cctgcaccca ctactcccaa gaagcctgcc 2220
60 cccaaggagc ttgcacccac caccaccaag gagcccacat ccaccacctc tgacaagccc 2280
61 gctccaacta cccctaaggg gactgctcca actaccctta aggagcctgc tccaactacc 2340
62 cctaaggagc ctgctccaac tacccttaag gggactgctc caactaccct caaggaaact 2400
63 gcaccacta ctccaagaa gctgcccccc aaggagcttg caccaccac caccaagggg 2460
64 cccacatcca ccacctctga caagcctgct ccaactacac ctaaggagac tgctccaact 2520
65 acccccaagg agcctgcacc cactaccccc aagaagcctg ctccaactac tcctgagaca 2580
66 cctcctccaa ccacttcaga ggtctctact ccaactacca ccaaggagcc taccactatc 2640
67 cacaaaagcc ctgatgaatc aactcctgag ctttctgcag aaccacaccc aaaagctctt 2700
68 gaaaacagtc ccaaggaacc tgggtgtacct acaactaaga ctctgagc gactaaacct 2760
69 gaaatgacta caacagctaa agacaagaca acagaaagag acttacgtac tacacctgaa 2820
70 actacaactg ctgcacctaa gatgacaaaa gagacagcaa ctacaacaga aaaaactacc 2880
71 gaatccaaaa taacagctac aaccacacaa gtaacatcta ccacaactca agataccaca 2940
72 ccattcaaaa ttactactct taaaacaact actcttgac ccaaagtaac tacaacaaaa 3000
73 aagacaatta ctaccactga gattatgaac aaacctgaag aaacagctaa accaaaagac 3060
74 agagctacta attctaaagc gacaactcct aaacctcaaa agccaaccaa agcaccacaa 3120
75 aaaccacatt ctaccaaaaa gccaaaaaca atgcctagag tgagaaaacc aaagacgaca 3180
76 ccaactcccc gcaagatgac atcaacaatg ccagaattga accctacctc aagaatagca 3240
77 gaagccatgc tccaaaccac caccagacct aaccaaactc caaactccaa actagtgtga 3300
78 gtaaattcaa agagtgaaga tgcagggtgg gctgaaggag aaacacctca tatgcttctc 3360
79 aggccccatg tgttcatgcc tgaagttact ccgacatgg attacttacc gagagtacc 3420
80 aatcaaggca ttatcatcaa tcccatgctt tccgatgaga ccaatatatg caatggtaag 3480
81 ccagtagatg gactgactac tttgcgcaat gggacattag ttgcattccg aggtcattat 3540
82 ttctggatgc taagtccatt cagtccacca tctccagctc gcagaattac tgaagtttg 3600
83 ggtattcctt ccccatgta tactgttttt actaggtgca actgtgaagg aaaaactttc 3660
84 ttctttaagg attctcagta ctggcggttt accaatgata taaaagatgc agggatcccc 3720
85 aaaccaattt tcaaaggatt tggaggacta actggacaaa tagtggcagc gctttcaaca 3780
86 gctaaatata agaactggcc tgaatctgtg tattttttca agagaggtgg cagcattcag 3840
87 cagtatattt ataaacagga acctgtacag aagtgcctg gaagaaggcc tgctctaaat 3900
88 tatccagtgt atggagaaat gacacaggtt aggagacgtc gctttgaacg tgctatagga 3960
89 ccttctcaaa cacacacat cagaattcaa tattcaactg ccagactggc ttatcaagac 4020
90 aaaggtgtcc ttcataatga agttaaaagt agtatactgt ggagaggact tccaaatgtg 4080
91 gttacctcag ctatatcact gcccaacatc agaaaacctg acggctatga ttactatgcc 4140
92 ttttctaaag atcaacta taacattgat gtgcctagta gaacagcaag agcaattact 4200
93 actcgttctg ggcagacct atccaaagtc tggtaacact gtccttagac tgatgagcaa 4260
94 aggaggagtc aactaatgaa gaaatgaata ataaattttg aactgaaaa acattttatt 4320
95 aataaagaat attgacatga gtataccagt ttatatataa aaatgttttt aaacttgaca 4380
96 atcattacac taaaacagat ttgataatct tattcacagt tgttattggt tacagaccat 4440
97 ttaattaata tttcctctgt ttattcctcc tctccctccc attgcatggc tcacacctgt 4500
98 aaaagaaaaa agaatcaaat tgaatatatc ttttaagaat tcaaaactag tgtattcact 4560
99 taccctagtt cattataaaa aatatctagg cattgtggat ataaaactgt tgggtattct 4620

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/918,624A

DATE: 01/26/2002  
TIME: 12:53:20

Input Set : D:\Pa0033.txt

Output Set: N:\CRF3\01252002\I918624A.raw

```

100 acaacttcaa tggaaattat tacaagcaga ttaatccctc tttttgtgac acaagtacaa 4680
101 tctaaaagtt atattggaaa acatggaaat attaaaattt tacactttta ctactctaaa 4740
102 cataatcaca aagcttttatc gtgttgata aaaaaattaa caatataatg gcaataggta 4800
103 gagatacaac aaatgaatat aacactataa cacttcatat tttccaaatc ttaatttggg 4860
104 ttttaaggaag aaatcaataa atataaaata taagcacata tttattatat atctaaggta 4920
105 tacaaatctg tctacatgaa gtttacagat tggtaaataat cacctgctca acatgtaatt 4980
106 atttaataaaa acttttggac attaaaaaaa taaattggag gcttaaaaaa aaaaaaaaaa 5040
107 a

```

109 <210> SEQ ID NO: 2

110 <211> LENGTH: 10211

111 <212> TYPE: DNA

112 <213> ORGANISM: Homo sapiens

114 <300> PUBLICATION INFORMATION:

115 <308> DATABASE ACCESSION NO: Genbank ID No: g1000093

W--> 117 <300> PUBLICATION INFORMATION: 2

*same error as p. 1*

```

118 gagaggtcgt tttccgtcc ccgagagcaa gtttatttac aaatgttggg gtaataaaga 60
119 aggcagaaca aaatgagctg ggctttggaa gaatggaaag aagggtgcc tacaagagct 120
120 cttcagaaaa ttcaagagct tgaaggacag cttgacaaac tgaagaagga aaagcagcaa 180
121 aggcagtttc agcttgacag tctcgaggct gcgcctcaga agcaaacaca gaaggttgaa 240
122 aatgaaaaaa ccgaggttac aaacctgaaa agggagaatc tctcatgaac ttcaagtcaa ggagtcacaa 360
123 gaaagtctgg agaaaactaa gcagaagatt tctcatgaac ttcaagtcaa ggagtcacaa 360
124 gtgaatttcc aggaaggaca actgaattca ggcaaaaaac aaatagaaaa actggaacag 420
125 gaacttaaaa ggtgtaaatc tgagcttgaa agaagccaac aagctgcgca gtctgcagat 480
126 gtctctctga atccatgcaa tacaccacaa aaaattttta caactccact aacaccaagt 540
127 caatattata gtggttccaa gtatgaagat ctaaaagaaa aatataataa agaggttgaa 600
128 gaacgaaaaa gattagaggg agaggttaaa gccttgacagg ctaaaaaagc aagccagact 660
129 cttccacaag ccaccatgaa tcaccgcgac attgcccggc atcaggcttc atcatctgtg 720
130 ttctcatggc agcaagagaa gaccccaagt catctttcat ctaattctca aagaactcca 780
131 attaggagag atttctctgc atcttacttt tctggggaac aagaggtgac tccaagtcga 840
132 tcaactttgc aaatagggaa aagagatgct aatagcagtt tctttgacaa ttctagcagt 900
133 cctcatcttt tggatcaatt aaaagcgcag aatcaagagc taagaaacaa gattaatgag 960
134 ttggaactac gcttgcaagg acatgaaaaa gaaatgaaag gccaaagtga taagtttcaa 1020
135 gaactccaac tccaactgga gaaagcaaaa gtggaattaa ttgaaaaaga gaaagttttg 1080
136 aacaaatgta gggatgaact agtgagaaca acagcaaat acgaccaggg gtcaaccaag 1140
137 tatactgcat tggaaacaaa actgaaaaaa ttgacggaag atttgagttg tcagcgacaa 1200
138 aatgcagaaa gtgccagatg ttctctggaa cagaaaatta aggaaaaaga aaaggagttt 1260
139 caagaggagc tctcccgtaa acagcgttct ttccaaacac tggaccagga gtgcatccag 1320
140 atgaaggcca gactcaccga ggagttacag caagccaaga atatgcacaa cgtcctgcag 1380
141 gctgaactgg ataaactcac atcagtaaag caacagctag aaaacaattt ggaagagttt 1440
142 aagcaaaagt tgtgcagagc tgaacaggcg ttccaggcga gtcagatcaa ggagaatgag 1500
143 ctgaggagaa gcatggagga aatgaagaag gaaaacaacc tccttaagag tcaactctgag 1560
144 caaaaggcca gagaagtctg ccacctggag gcagaactca agaacatcaa acagtgttta 1620
145 aatcagagcc agaattttgc agaagaaatg aaagcgaaga atacctctca ggaaaccatg 1680
146 ttaagagatc ttcaagaaaa aataaatcag caagaaaact ccttgacttt agaaaaactg 1740
147 aagcttgctg tggtgatctt ggaaaagcag cgagattgtt ctcaagacct tttgaagaaa 1800
148 agagaacatc acattgaaca acttaatgat aagttaagca agacagagaa agagtccaaa 1860
149 gccttgctga gtgcttttaga gttaaaaaag aaagaatatg aattgaaaga agagaaaaact 1920
150 ctgttttctt gttggaaaag tgaaaacgaa aaacttttaa ctcatatgga atcagaaaag 1980
151 gaaaacttgc agagtaaaat taatcacttg gaaacttgtc tgaagacaca gcaataaaaa 2040

```

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

The types of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

(IMPORTANT)

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/918,624A

DATE: 01/26/2002  
 TIME: 12:53:20

Input Set : D:\Pa0033.txt  
 Output Set: N:\CRF3\01252002\I918624A.raw

```

152 agtcatgaat acaacgagag agtaagaacg ctggagatgg acagagaaaa cctaagtgtc 2100
153 gagatcagaa accttcacaa cgtgttagac agtaagtcag tggaggtaga gaccacagaa 2160
154 ctagcttata tggagctaca gcagaaagct gagttctcag atcagaaaca tcagaaggaa 2220
155 atagaaaata tgtgtttgaa gacttctcag cttactgggc aagttgaaga tctagaacac 2280
156 aagcttcagt tactgtcaaa tgaaataatg gacaaagacc ggtgttacca agacttgcac 2340
157 gccgaatatg agagcctcag ggaatctgcta aaatccaaag atgcttctct ggtgacaaat 2400
158 gaagatcatc agagaagtct tttggctttt gatcagcagc ctgccatgca tcattccttt 2460
159 gcaaatataa ttggagaaca aggaagcatg ccttcagaga ggagtgaatg tcgtttagaa 2520
160 gcagaccaa gtccgaaaaa ttctgccatc ctacaaaata gagttgattc acttgaattt 2580
161 tcattagagt ctcaaaaaca gatgaactca gacctgcaa agcagtgtga agagttggtg 2640
162 caaatcaaag gagaaataga agaaaatctc atgaaagcag aacagatgca tcaaagtttt 2700
163 gtggtgaaa caagtcagcg cattagtaag ttacaggaag acacttctgc tcaccagaat 2760
164 gttgttgctg aaaccttaag tgcccttgag aacaaggaaa aagagctgca acttttaa 2820
165 gataaggtag aaactgagca ggcagagatt caagaattaa aaaagagcaa ccatctactt 2880
166 gaagactctc taaaggagct acaactttta tccgaaaccc taagcttgga gaagaaagaa 2940
167 atgagttcca tcatttctct aaataaaagg gaaattgaag agctgacca agagaatggg 3000
168 actcttaagg aaattaatgc atccttaa atccttaa atccttaa atccttaa 3060
169 gagagttttg caaactatat agatgaaagg gagaaaagca tttcagagtt atctgatcag 3120
170 tacaagcaag aaaaacttat ttactacaa agatgtgaag aaaccgaaa tgcatatgag 3180
171 gatcttagtc aaaaatacaa agcagcacag gaaaagaatt cttaaattaga atgcttgcta 3240
172 aatgaatgca ctagtctttg tgaaaatagg aaaaatgagt tggaacagct aaaggaagca 3300
173 tttgcaaagg aacaccaaga attcttaaca aaattagcat ttgctgaaga aagaaatcag 3360
174 aatctgatgc tagagttgga gacagtgcag caagctctga gatctgagat gacagataac 3420
175 caaacaatt ctaagagcga ggctggtggt ttaaagcaag aaatcatgac tttaaaggaa 3480
176 gaacaaaaca aaatgcaaaa ggaagttaat gacttattac aagagaatga acagctgatg 3540
177 aaggtaatga agactaaaca tgaatgtcaa aatctagaat cagaaccaat taggaactct 3600
178 gtgaaagaaa gagagagtga gagaaatcaa tgtaatttta aacctcagat ggatcttgaa 3660
179 gttaaagaaa tttctctaga tagttataat gcgcagttgg tgcaattaga agctatgcta 3720
180 agaaataagg aattaaaact tcaggaaagt gagaaggaga aggagtgcct gcagcatgaa 3780
181 ttacagacaa ttagaggaga tcttgaaacc agcaatttgc aagacatgca gtcacaagaa 3840
182 attagtggcc ttaaagactg tgaaatagat gcggaagaaa agtatatttc agggcctcat 3900
183 gagttgtcaa caagtcaaaa cgacaatgca cacttcagt gctctctgca aacaacaatg 3960
184 aacaagctga atgagctaga gaaaatatgt gaaatactgc aggctgaaaa gtatgaactc 4020
185 gtaactgagc tgaatgattc aaggtcagaa tgtatcacag caactaggaa aatggcagaa 4080
186 gaggtagggg aactactaaa tgaagttaaa atattaaatg atgacagtgg tcttctccat 4140
187 ggtgagttag tggaagacat accaggaggt gaatttgggt aacaaccaa tgaacagcac 4200
188 cctgtgtctt tggctccatt ggacgagagt aattcctac agcacttgac attgtcagac 4260
189 aaagaagttc aaatgcactt tgccgaattg caagagaaat tcttatcttt acaaagtga 4320
190 cacaaaattt tacatgatca gcaactgtcag atgagctcta aaatgtcaga gctgcagacc 4380
191 tatgttgact cattaaaggc cgaaaatttg gtcttgtcaa cgaatctgag aaactttcaa 4440
192 ggtgacttgg tgaaggagat gcagctgggc ttggaggagg ggctcgttcc atccctgtca 4500
193 tctctttagt tgctgacag ctctagtctt agcagtttgg gagactctc cttttacaga 4560
194 gctcttttag aacagacagg agatatgtct cttttgagta atttagaagg ggctgtttca 4620
195 gcaaaccagt gcagtgtaga tgaagtattt tgcagcagtc tgcaggagga gaatcgacc 4680
196 aggaaagaaa ccccttcggc ccagcgaag ggtgttgaag agcttgagtc cctctgtgag 4740
197 gtgtaccggc agtccctcga gaagctagaa gagaaaatgg aaagtcaagg gattatgaaa 4800
198 aataaggaaa ttcaagagct cgagcagtta ttaagttctg aaaggcaaga gcttgactgc 4860
199 cttaggaagc agtatttgtc agaaaatgaa cagtggcaac agaagctgac aagcgtgact 4920
200 ctggagatgg agtccaagtt ggcggcagaa aagaaacaga cggaacaact gtcacttgag 4980

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/918,624A

DATE: 01/26/2002

TIME: 12:53:20

Input Set : D:\Pa0033.txt

Output Set: N:\CRF3\01252002\I918624A.raw

```

201 ctggaagtag cactgactcca gctacaaggt ctggacttaa gttctcggtc tttgcttggc 5040
202 atcgacacag aagatgctat tcaaggccga aatgagagct gtgacataac aaaagaacat 5100
203 acttcagaaa ctacagaaaag aacaccaaag catgatgttc atcagatttg tgataaagat 5160
204 gctcagcagg acctcaatct agacattgag aaaataactg agactgggtc attgaaaccc 5220
205 acaggagagt gctctgggga acagtcccca gataccaatt atgagcctcc aggggaagat 5280
206 aaaacccagg gctcttcaga atgcatttct gaattgtcat tttctgggtc taatgctttg 5340
207 gtacctatgg atttcctggg gaatcaggaa gatattccata atcttcaact gcgggtaaaa 5400
208 gagacatcaa atgagaattt gagattactt catgtgatag aggaccgtga cagaaaagtt 5460
209 gaaagtttgc taaatgaaat gaaagaatta gactcaaaac tccatttaca ggaggtacaa 5520
210 ctaatgacca aaattgaagc atgcatagaa ttggaaaaaa tagttgggga acttaagaaa 5580
211 gaaaactcag atttaagtga aaaattggaa ttttttctt gtgatcacca ggagttactc 5640
212 cagagagtag aaacttctga aggcctcaat tctgatttag aaatgcatgc agataaatca 5700
213 tcacgtgaag atattggaga taatgtggcc aaggtgaatg acagctggaa ggagagattt 5760
214 cttgatgtgg aaaatgagct gagtaggata agatcggaga aagctagcat tgagcatgaa 5820
215 gccctctacc tggaggctga cttagaggta gttcaaacag agaagctatg tttagaaaaa 5880
216 gacaatgaaa ataagcagaa gggtattgtc tgccctgaag aagaactctc agtggtcaca 5940
217 agtgagagaa accagcttcg tggagaatta gatactatgt caaaaaaac caccggcactg 6000
218 gatcagttgt ctgaaaaaat gaaggagaaa acacaagagc ttgagtctca tcaaaagtga 6060
219 tgtctccatt gcattcaggt ggcagaggca gaggtgaagg aaaagacgga actccttcag 6120
220 actttgtcct ctgatgtgag tgagctgtta aaagacaaaa ctcatctcca ggaaaagctg 6180
221 cagagtttgg aaaaggactc acaggcactg tctttgacaa aatgtgagct ggaaaacca 6240
222 attgcacaac tgaataaaga gaaagaattg cttgtcaagg aatctgaaag cctgcaggcc 6300
223 agactgagtg aatcagatta tgaaaagctg aatgtctcca aggccttggg gccgcactg 6360
224 gtggagaaag gtgagttcgc attgaggctg agctcaacac aggaggaagt gcatcagctg 6420
225 agaagaggca tgcagaaact gagagttcgc attgaggccg atgaaaagaa gcagctgcac 6480
226 atcgacagaga aactgaaaga acgcgagcgg gagaatgatt cacttaagga taaagttgag 6540
227 aaccttgaaa gggaattgca gatgtcagaa gaaaaccagg agctagtgat tcttgatgcc 6600
228 gagaattcca aagcagaagt agagactcta aaaacacaaa tagaagagat ggccagaagc 6660
229 ctgaaagttt ttgaattaga cttgttcacg ttaaggtctg aaaaagaaaa tctgacaaaa 6720
230 caaatacaag aaaaacaagg tcagttgtca gaactagaca agttactctc ttcattttaa 6780
231 agtctgttag aagaaaagga gcaagcagag atacagatca aagaagaatc taaaactgca 6840
232 gtggagatgc ttcagaatca gttaaaggag cttaaatgagg cagtacgagc cttgtgtggt 6900
233 gaccaagaaa ttatgaaggc cacagaacag agtctagacc caccaataga ggaagagcat 6960
234 cagctgagaa atagcattga aaagctgaga gccgcctag aagctgatga aaagaagcag 7020
235 ctctgtgtct tacaacaact gaaggaaagt gagcatcatg cagatttact taagggtaga 7080
236 gtggagaacc ttgaaagaga gctagagata gccaggacaa accaagagca tgcagctctt 7140
237 gaggcagaga attccaaagg agaggtagag accctaaaag caaaaataga agggatgacc 7200
238 caaagtctga gaggtctgga attagatgtt gttactataa ggtcagaaaa agaaaatctg 7260
239 acaaatgaat tacaataaga gcaagagcga atatctgaat tagaaataat aaattcatca 7320
240 tttgaaaata ttttgcaaga aaaagagcaa gagaaagtac agatgaaaga aaaatcaagc 7380
241 actgccatgg agatgcttca aacacaatta aaagagctca atgagagagt ggcagccctg 7440
242 cataatgacc aagaagcctg taaggccaaa gagcagaatc ttagtagtca agtagagtgt 7500
243 cttgaacttg agaaggctca gttgctacaa ggccttgatg aggccaaaa taattatatt 7560
244 gttttgcaat cttcagtga tggcctcatt caagaagtag aagatggcaa gcagaaactg 7620
245 gagaagaagg atgaagaaat cagtagactg aaaaatcaaa ttcaaggacca agagcagctt 7680
246 gtctctaaac tgtcccagg ggaaggagag caccaacttt ggaaggagca aaacttagaa 7740
247 ctgagaaatc tgacagtga attggagcag aagatccaag tgctacaatc caaaaatgcc 7800
248 tctttgcagg acacattaga agtgcctcag agttcttaca agaattctaga gaatgagctt 7860
249 gaattgacaa aaatggacaa aatgtccttt gttgaaaaag taaacaaat gactgcaag 7920

```

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/918,624A

DATE: 01/26/2002

TIME: 12:53:21

Input Set : D:\Pa0033.txt

Output Set: N:\CRF3\01252002\I918624A.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:22 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:1  
L:117 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:2  
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:580 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:7  
L:758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:773 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:12  
L:856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:1001 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:18  
L:1096 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:19  
L:1191 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:21  
L:1256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:1257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:1281 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:23  
L:1329 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:24  
L:1378 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:25  
L:1425 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:26  
L:1504 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:27  
L:1585 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:28  
L:1631 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:29  
L:1683 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:30  
L:1767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:1774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:1810 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:33  
L:2015 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:37  
L:2117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:2164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:2178 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:42  
L:2231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:2232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:2233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:2316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:2317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:2429 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:47  
L:2453 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:48  
L:2672 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:49

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/918,624A

DATE: 01/26/2002

TIME: 12:53:21

Input Set : D:\Pa0033.txt

Output Set: N:\CRF3\01252002\I918624A.raw

L:2730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50  
L:2765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:2766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:2778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:2785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:2817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52  
L:2820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52  
L:2832 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:53  
L:2871 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:54  
L:2961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56  
L:3078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58  
L:3088 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:59  
L:3165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60  
L:3168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60  
L:3199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61  
L:3230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62  
L:3304 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:63  
L:3352 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:64  
L:3507 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:67